

METHOD OF PRODUCING POLYACRYLAMIDE HYDROGEL

Patent Number: SU1608193

Publication

date: 1990-11-23

Inventor(s): RASHIDOVA SAZHIDA T (SU); ASKAROV KUDRAT A (SU); TOLMACHEVA GALINA M (SU); ASHIROVA VIKTORIYA E (SU); KHALIKOV ABDOVASID KH (SU); SIMONOVA LYUDMILA YA (SU)

Applicant(s):: SAMARKANDSKIY G MED I IM AKAD (SU)

Requested

Patent: SU1608193

Application

Number: SU19894674491 19890404

Priority Number

(s): SU19894674491 19890404

IPC

Classification: C08F20/56

EC

Classification: C08F20/56

Equivalents:

Abstract

Data supplied from the esp@cenet database - l2

008818684

WPI Acc No: 1991-322697/199144

XRAM Acc No: C91-139595

Polyacrylamide hydrogel prodn. - by radical polymerisation of polyacrylamide in aq. medium, in presence of ammonium persulphate-chlorophyll redox system

Patent Assignee: SAMARKAND MEDIC INS (SAMA-R)

Number of Countries: 001 Number of Patents: 001

Abstract (Basic): SU 1608193 A

Use of chlorophyll from the excretions of mulberry silkworm (I) as the amine-contg. reducer in the redox system with ammonium persulphate (II) (oxidiser), used in the prodn. of polyacrylamide hydrogel, increases the efficiency of the process and quality of prod.

The hydrogel is obt'd. by radical polymerisation of acrylamide (III) in aq. medium under the action of redox system, with (III):(II):(I) equal to 1:0.18:0.035-0.00035 respectively.

USE/ADVANTAGE - Used in chemistry of polymers to prepare polyacrylamide hydrogel using simpler method. The prod. absorbs more water and can be used in medicine, biotechnology and agriculture.

Bul.43/23.11.90 (2pp Dwg.No. 0/0)

Title Terms: POLYACRYLAMIDE; HYDROGEL; PRODUCE; RADICAL; POLYMERISE; POLYACRYLAMIDE; AQUEOUS; MEDIUM; PRESENCE; AMMONIUM; PERSULPHATE; CHLOROPHYLL; REDOX; SYSTEM

Derwent Class: A14; E12

International Patent Class (Additional): C08F-020/56



abs for

leave serial at

A9